

عنوان مقاله:

(Advantages of Using Artificial Neural Network for Natural Recourse management (an overview

محل انتشار:

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خلاصه مقاله:

Natural resource management precisely emphasizes on a scientific and technical understanding of resources and ecology and the life-supporting capacity of those resources. In many regions of the world, general shortage problem is aggravated by the degradation and destruction of natural resources. All the time more, making good decisions for adaptive natural resource management has become difficult. The application of Artificial Neural Networks (ANN) to predict the behaviors of nonlinear systems has become an attractive alternative to traditional statistical methods. The aim of this paper is to provide an up-to-date synthesis of the use of ANN in natural resource management. Current applications of ANN include: site classification, assessment of stand parameter, global climate change and ecological research, industrial timber volume estimation, prediction of water quality parameters, flood forecasting. The pros of using ANNs are discussed. Studies showed that ANN is a useful tool for natural resource management

کلمات کلیدی:

Artificial Neural Network, Natural Recourse management

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